

Claims:

- 1 1. A method of suspending a network connection used for low priority transmissions between
 2 a client platform and a server platform comprising:
 3 determining a characteristic of a transmission between the client platform and the
 4 server platform, said characteristic consisting essentially of a high priority transmission and
 5 a low priority transmission; and
 6 suspending the connection if the characteristic of the transmission comprises a high
 7 priority transmission.
- 1 2. The method of claim 1, wherein the low priority transmission comprises a pre-fetching
 2 request.
- 1 3. The method of claim 2, wherein the high priority transmission comprises a user request.
- 1 4. The method of claim 1, wherein suspending the connection includes closing the
 2 connection.
- 1 5. The method of claim 1, and further comprising:
 2 resuming at least one low priority transmission via the connection after the high
 3 priority transmission is complete.
- 1 6. The method of claim 1, and further comprising:
 2 maintaining the connection if the characteristic of the transmission comprises a low
 3 priority transmission.
- 1 7. The method of claim 1, wherein the client platform comprises one of a personal computer
 2 (PC), a router, a switch, a bridge and a hub.
- 1 8. The method of claim 1, wherein the server platform comprises one of a personal computer
 2 (PC), a router, a switch, a bridge and a hub.
- 1 9. A method of using a network connection between a client platform and a server platform
 2 comprising:
 3 producing on one of the platforms a list of Uniform Resource Locators (URLs) from a
 4 requested network page, said list comprising links in said requested network page; and
 5 pre-fetching via said connection at least one of said URLs to said remote proxy
 6 server.
- 1 10. The method of claim 9, pre-fetching at least one of said URLs includes transcoding the
 2 fetched object corresponding to the at least one of said URLs.
- 1 11. The method of claim 10, transcoding the fetched object includes transcoding it in
 2 accordance with a user determined preference.

1 12. The method of claim 11, wherein producing a list of URLs from a requested network page
2 includes parsing the requested network page.

1 13. The method of claim 10, wherein the list of URLs is produced on the client.

1 14. The method of claim 10, wherein the list of URLs is produced on the server.

1 15. The method of claim 14, wherein pre-fetching said URLs comprises pre-fetching in
2 attendance with a substantially predetermined pre-fetching policy.

1 16. The method of claim 9, wherein the client platform comprises one of a personal computer
2 (PC), a router, a switch, a bridge and a hub.

1 17. The method of claim 9, wherein the server platform comprises one of a personal computer
2 (PC), a router, a switch, a bridge and a hub.

1 18. An article comprising:

2 a machine readable storage medium having stored thereon instructions capable of
3 being executed by a data processing platform, said instructions being adapted to parse a
4 list of URLs from a received network data object and to pre-fetch via a network connection
5 said URLs to a remote platform in accordance with a pre-determined pre-fetching policy.

1 19. The article of claim 18, wherein either of said platforms comprises any one of a client, a
2 server, a router, a hub, a bridge and a switch.

1 20. The article of claim 18, wherein said instructions are included in any one of a browser, a
2 network card driver, a protocol stack, and a proxy.

1 21. The article of claim 18, wherein said pre-fetching policy comprises pre-fetching embedded
2 URLs.

1 22. A network comprising:

2 a first platform and a second platform;
3 said platforms being capable of communicating via a network connection;
4 the first platform being adapted to parse a list of URLs from a requested network
5 data object and to pre-fetch via said network connection said URLs to the second
6 platform.

1 23 The network of claim 22, wherein at least one of said platforms comprises one of a
2 personal computer (PC), a server, a client, a router, a hub, a bridge and a switch.

1 24. An article comprising:

2 a machine readable storage medium having stored thereon instructions capable of
3 being executed by a data processing platform, said instructions being adapted to parse a
4 list of URLs from a received network data object and to pre-fetch via a network connection
5 said URLs to a remote platform in accordance with a pre-determined pre-fetching policy.

1 25. The article of claim 22, wherein either of said platforms comprises any one of a client, a
2 server, a router, a hub, a bridge and a switch.

1 26. The article of claim 24, wherein said instructions are included in any one of a browser, a
2 network card driver, a protocol stack, and a proxy.

1 27. A network comprising:

2 a first platform and a second platform;

3 said platforms being capable of communicating via a low priority transmission
4 network connection;

5 the platforms being adapted to suspend the low priority transmission connection if a
6 high priority transmission request occurs on at least one of the platforms.

1 28. The network of claim 27, wherein at least one of said platforms comprises one of a
2 personal computer (PC), a server, a client, a router, a hub, a bridge and a switch.

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